

Wireless VGA Extender

User's Guide



Models
WL-VGA-EXT

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Section 1: Getting Started

1.1 Important Safeguards

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
 - Removal or installation of the product.
 - Causes external to the product, such as electric power fluctuation or failure.
 - Use of supplies or parts not meeting our specifications.
 - Normal wear and tear.
 - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2 Safety Instructions

The WL-VGA-EXT Wireless VGA Extender has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the C-COMP-VGA should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Do not dismantle the housing or modify the module.
- Dismantling the housing or modifying the module may result in electrical shock or burn.
- Refer all servicing to qualified service personnel.
- Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Have the module checked by a qualified service engineer before using it again.

1.3 Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

1.4 Introduction

Avenview WL-VGA-EXT wireless VGA extender is an ideal solution for meeting rooms. With WL-VGA-EXT, you can display up to four presentations in split screen on a single projector or VGA screen. You can save your presentation in provided USB key and connect to your projector wirelessly. WL-VGA-EXT supports conference control function for moderating the conference. The conference moderator can control projection from connected PCs through a web-based interface

- Plug & Present – no installation required
- 4 x 1 Split Screen projection – turn one projector into four displays
- Web-based interface for managing different displays.
- Supports Windows VISTA, XP, 200 and Mobile 5/6
- Supports session security login, wireless WEB key and Gatekeeper function to protect presentation contents.

1.5 Package Contents

Before you start the installation of the converter, please check the package contents.

- | | |
|-------------------------------|-----|
| - WL-VGA-EXT | x 1 |
| - Power Adapter (+5VDC, 2.5A) | x1 |
| - USB Key | x1 |
| - User's Manual | x1 |

1.6 Before Installation

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.

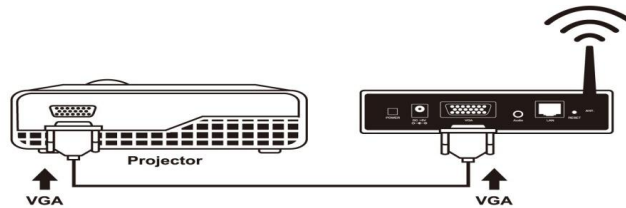
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.



1.7 Installation

To setup Avenview WL-VGA-EXT follow these steps for connecting to a device:

1. Connect projector VGA cable to WL-VGA-EXT's VGA connector and turn on the projector power



2. Turn on WL-VGA-EXT
3. When projector shows the default menu on the screen as shown below, it indicates the WL-VGA-EXT box is ready for operation.



4. Make sure PC WLAN is enabled and connect the PC to WL-VGA-EXT
5. In your default browser, enter 192.168.101.15 or refer to default IP address of WL-VGA-EXT shown on projector screen.



6. Download the client software from WL-VGA-EXT web-based interface. Select the appropriate software for your system (Windows VISTA, XP, 200 or Mobile 5/6)
7. Once the software is installed, it will create a shortcut to your desktop.
8. Make sure VPS (Video Presentation Software) is allowed to pass through system firewall if it is enabled.
9. Enter the LOGIN CODE. LOGIN CODE is displayed on the projector screen



10. Click the "PLAY" button to start displaying on the projector

1.8 Client Utility

1.8.1 Starting Program

After you have downloaded and installed the VPS Windows program via web-based interface successfully, then follow these steps to start.

1. Click VPS icon to execute the program
2. Program will automatically try to locate the WL-VGA-EXT.
3. If WL-VGA-EXT is found, then "Login Code" dialog box will pop up.
4. Enter "Login Code" as displayed on the projector screen.

1.8.2 Buttons Descriptions

After login is successful, you will see main UI of VPS



	Project desktop screen to Full screen or split screen
	Full Screen projection
	Project to Split #1
	Project to Split #2
	Project to Split #3
	Project to Split #4
	Pause projecting
	Stop projecting
	Refresh projecting screen
	Server Login Code
	While projecting in progress, this icon is blinking
	Function menu
	Minimize the program
	Exit the program

1.8.3 Web Admin

Click  to open function menu and select “**Web Admin**” management web page. The web page detailed functions will be described on next chapter.



1. Click "Search Server" to search for WL-VGA-EXT
2. Click "Make VPS Token" to make a USB VPS Token









1.9 WL-VGA-EXT for PDA

To project your PDA screen with WL-VGA-EXT, please follow these steps:

1. Enable WiFi of PDA and connect to WL-VGA-EXT
2. Open the browser and enter 192.168.101.15 to download and install VPS for PDA with Windows Mobile 5 or 6
3. Once installation is done, launch VPS software

1.10 Conference Control

1. This function allows you to host a meeting with WL-VGA-EXT
2. Select “Conference Control” function from web-based interface
3. Enter password, the default password is “trainer”.
4. After login is successful, you can see the user list on the screen which indicates all users connected to WL-VGA-EXT
5. There are three columns, “Computer Name”, “Play Control” and “IP Address”
6. Play Control: There are six buttons, including Play  , Play Split #1  , Play Split #2  ,
7. Play Split #3  , Play Split #4  , and Stop  .
8. User List:



The screenshot shows a web interface titled "Conference Control" with a "Logout" button in the top right. Below the title is a table with three columns: "Computer Name", "Play Control", and "IP address". The table lists eight users with their respective IP addresses and a set of control buttons for each.

Computer Name	Play Control	IP address
eunicewu	     	192.168.100.12
sandrahsieh	     	192.168.100.13
simon_huang	     	192.168.100.14
howardling	     	192.168.100.15
Jenniferlu	     	192.168.100.16
ashleychuang	     	192.168.100.17
firmamwu	     	192.168.100.18
ptchou	     	192.168.100.19

9. To Login as ADMIN, click on “Admin” and enter default password “admin”

1.11 System Status

Once logged in as Admin you will see menu for System Status as shown below



By Clicking **System Status**, it will show current system status.

Model Name: Product model name

Firmware version no.: Product firmware version number.

Network Status:

IP address : IP address of WL-VGA-EXT device.

Subnet Mask : subnet mask

Default Gateway : default gateway

Wireless MAC address : wireless MAC address

Wire MAC address : wire MAC address

Connection Status:

Projecting status: which is "Waiting for projecting" or "Projecting"

Total Users: It shows how many users login into WL-VGA-EXT.

1.12 Network Status

You can setup various network settings in this section:

1.12.1 Auto-Configuration Network Setup

The default setting of the WL-VGA-EXT is DHCP client. When the WL-VGA-EXT is connected to a LAN that already has a DHCP server present, the WL-VGA-EXT takes an IP address assigned to it by the server. When the WL-VGA-EXT is connected to a LAN that does not have a DHCP server, the WL-VGA-EXT becomes the DHCP server in the network.

IP Setup

You can select “obtain IP address automatically” or “Use the following IP address”

IP Address: The default value is 192.168.100.10.

Subnet Mask: The default value is 255.255.255.0

Default Gateway: The default value is 192.168.100.10

DHCP Server Setup

You can select “auto(Enable/Disable DHCP Server” or “Disable”)

Start IP: The start IP address of DHCP Server.

End IP: The end IP address of DHCP Server.

Wireless Setup

Region: default value is “Worldwide”.

SSID: SSID string, max. Length is 32 bytes.

Channel: to set fixed channel or Auto. The “Auto” means after power on WL-VGA-EXTd, it will scan all of wireless channel and select clear one channel

Gatekeeper

Gatekeeper is designed for ensuring the enterprise network security within WL-VGA-EXT

- ◆ All Block can block Guest Users(through wireless) to access all office network(LAN),
- ◆ All Allow can pass Guest Users(through wireless) to access all office network
- ◆ Internet Only can block Guest Users (through wireless) from office network (LAN) but still reserve internet connection capability.

Apply : press button to select this mode

Cancel: press button to abort action.

Back: Back to Operating mode main menu

1.13 Projection Setup



Click **Projection Setup** button to set the following settings:

Resolution: 1024*768, 1280x768 and 800*600.

Color Depth: provide WL-VGA-EXT output with 16bit or 32 bit color depth. It depends on your PC settings.

Screen Refresh Rate: This is VGA output refresh rate, it supports 60 Hz and 75Hz to suit for different kinds of projectors.

Login Code: You can select "Disable", "Random", or "Use the following code" to set a specified 4-characters Number.

Apply: Confirmation and Save modifications

Cancel: Cancel all the modifications

1.14 Change Password

You can change the default password in this section.

1.15 Reset to Default

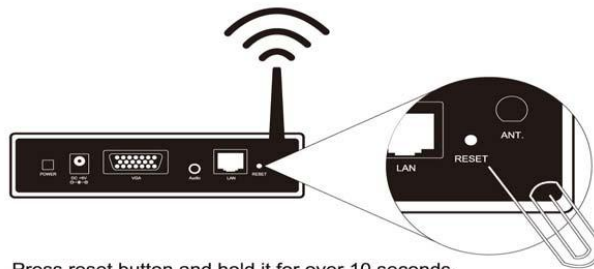
To change the settings back to factory default follow these steps:

Click **Reset to Default** button to restore factory default settings.

Apply: Confirmation and action.

*** Another way to restore Factory Default Settings is:

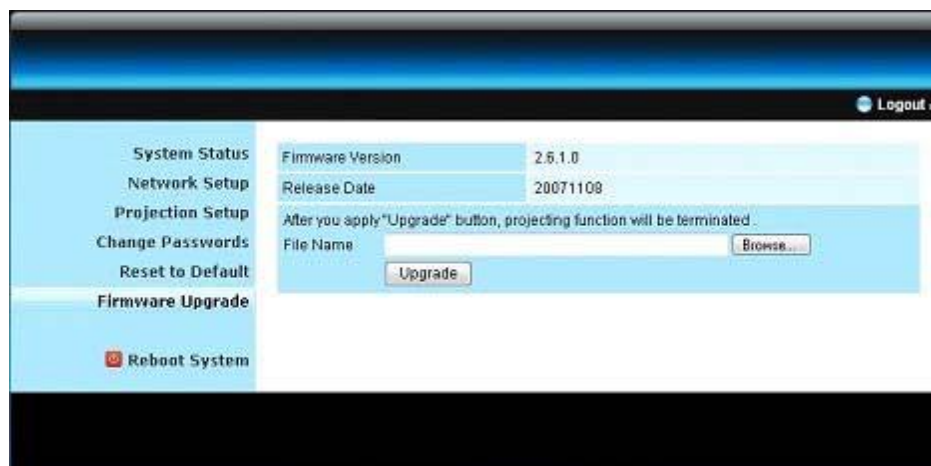
1. Press **Reset** button and **Hold**.
2. Turn on WL-VGA-EXT.
3. Wait for over 10 seconds and relief **Reset** button.
4. It will take effect to restore factory default settings.



Press reset button and hold it for over 10 seconds.

1.16 Firmware Upgrade

To upgrade the firmware click on **Firmware Upgrade** link.



DO NOT power off WL-VGA-EXT while firmware upgrade is in process.



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